GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: July 30, 2004, 09:45:13 ; Search time 22.8977 Seconds
(without alignments)
1025.858 Million cell updates/sec

Title: US-09-898-234B-2
Perfect score: 2487
Sequence: 1 MGLSTVPDLLLPLVLLELLV.....DIEEALCGPAALPPAPSLLR 455

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	2487	100.0	455	1	US-08-321-668-2	Sequence 2, Appli
2	2487	100.0	455	1	US-08-837-941-2	Sequence 2, Appli
3	2487	100.0	455	2	US-08-126-016-2	Sequence 2, Appli
4	2487	100.0	455	3	US-08-815-469-5	Sequence 5, Appli
5	2487	100.0	455	3	US-09-006-353A-3	Sequence 3, Appli
6	2487	100.0	455	4	US-09-527-236A-5	Sequence 5, Appli
7	2487	100.0	455	4	US-08-054-970-2	Sequence 2, Appli
8	2487	100.0	455	4	US-09-565-918-4	Sequence 4, Appli
9	2487	100.0	455	4	US-09-573-986-3	Sequence 3, Appli
10	2487	100.0	455	4	US-09-027-287-3	Sequence 3, Appli
11	2487	100.0	455	4	US-09-252-656B-3	Sequence 3, Appli
12	2487	100.0	455	4	US-09-523-323-3	Sequence 3, Appli
13	2487	100.0	455	4	US-09-756-854-5	Sequence 5, Appli
14	2482	99.8	455	1	US-08-050-319B-25	Sequence 25, Appl
15	2482	99.8	455	2	US-08-465-982-25	Sequence 25, Appl
16	2481	99.8	455	4	US-08-406-824A-4	Sequence 4, Appli
17	2463.5	99.1	909	4	US-09-013-895A-4	Sequence 4, Appli
18	2463.5	99.1	909	4	US-09-448-868-4	Sequence 4, Appli
19	2457	98.8	453	3	US-09-Q86-483A-5	Sequence 5, Appli
20	2457	98.8	453	4	US-09-580-212-5	Sequence 5, Appli
21	2457	98.8	453	4	US-09-769-402-5	Sequence 5, Appli
22	2346	94.3	426	4	US-08-747-562-37	Sequence 37, Appl
23	1558	62.6	280	3	US-08-974-022-46	Sequence 46, Appl
24	1558	62.6	280	3	US-08-795-445A-46	Sequence 46, Appl
25	1558	62.6	280	3	US-08-795-447A-46	Sequence 46, Appl
26	1558	62.6	280	3	US-08-974-186-46	Sequence 46, Appl
27	1558	62.6	280	3	US-08-795-446B-46	Sequence 46, Appl
28	1558	62.6	280	4	US-08-706-945D-132	Sequence 132, App
29	1558	62.6	280	4	US-08-577-788C-46	Sequence 46, Appl
30	1517	61.0	471	4	US-09-513-007-2	Sequence 2, Appli
31	1124	45.2	199	1	US-08-050-319B-48	Sequence 48, Appl
32	1124	45.2	199	2	US-08-465-982-48	Sequence 48, Appl
33	1121	45.1	197	4	US-08-828-683A-21	Sequence 21, Appl
34	1005.5	40.4	336	3	US-08-804-166-8	Sequence 8, Appli
35	1005.5	40.4	336	3	US-08-910-991-8	Sequence 8, Appli
36	1005.5	40.4	336	4	US-09-756-186-8	Sequence 8, Appli
37	979	39.4	285	3	US-08-804-166-6	Sequence 6, Appli
38	979	39.4	285	3	US-08-910-991-6	Sequence 6, Appli
39	979	39.4	285	4	US-09-756-186-6	Sequence 6, Appli
40	946	38.0	167	1	US-08-050-319B-2	Sequence 2, Appli
41	946	38.0	167	1	US-08-050-319B-57	Sequence 57, Appl
42	946	38.0	167	2	US-08-465-982-2	Sequence 2, Appli
43	946	38.0	167	2	US-08-465-982-57	Sequence 57, Appl
44	941	37.8	161	4	US-09-326-394-2	Sequence 2, Appli
45	904	36.3	154	4	US-08-828-683A-12	Sequence 12, Appl

ALIGNMENTS

RESULT 1
US-08-321-668-2
; Sequence 2, Application US/08321668
; Patent No. 5665859
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BRAKEBUSCH, Cord
; APPLICANT: VARFOLOMEEV, Eugene
; APPLICANT: BATKIN, Michael
; TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF
; TITLE OF INVENTION: THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/321,668
; FILING DATE: 12-OCT-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: IL 107268
; FILING DATE: 12-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: WALLACH=13
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 455 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-321-668-2

Query Match 100.0%; Score 2487; DB 1; Length 455;
Best Local Similarity 100.0%; Pred. No. 1.1e-202;
Matches 455; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy         61 KCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCLSCSKCRKEMGQVEISSCTVD 120
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Qy        181 SCSNCKKSLECTKLCLPQIENVKGTEDSGTTVLLPLVIFFGLCLLSLLFIGLMYRYQRWK 240
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Db        181 SCSNCKKSLECTKLCLPQIENVKGTEDSGTTVLLPLVIFFGLCLLSLLFIGLMYRYQRWK 240

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Db        421 LGRVLRDMDLLGCLEDIEEALCGPAALPPAPSLLR 455
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RESULT 2
US-08-837-941-2
; Sequence 2, Application US/08837941
; Patent No. 5766917
; GENERAL INFORMATION:
; APPLICANT: WALLACH, David
; APPLICANT: BRAKEBUSCH, Cord
; APPLICANT: VARFOLOMEEV, Eugene
; APPLICANT: BATKIN, Michael
; TITLE OF INVENTION: MOLECULES INFLUENCING THE SHEDDING OF
; TITLE OF INVENTION: THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BROWDY AND NEIMARK
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/837,941
; FILING DATE: 28-APR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/321,668
; FILING DATE: 12-OCT-1994
; APPLICATION NUMBER: IL 107268
; FILING DATE: 12-OCT-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: BROWDY, Roger L.
; REGISTRATION NUMBER: 25,618
; REFERENCE/DOCKET NUMBER: WALLACH=13
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; TELEX: 248633
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 455 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-837-941-2

Query Match 100.0%; Score 2487; DB 1; Length 455;
Best Local Similarity 100.0%; Pred. No. 1.1e-202;
Matches 455; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 MGLSTVPDLLLPLVLLELLVGIYPSGVIGLVPHLGDREKRDSVCPQGKYIHPQNNSICCT 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Qy         61 KCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCLSCSKCRKEMGQVEISSCTVD 120
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Qy        121 RDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQEKQNTVCTCHAGFFLRENECV 180
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Db        121 RDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQEKQNTVCTCHAGFFLRENECV 180

Qy        181 SCSNCKKSLECTKLCLPQIENVKGTEDSGTTVLLPLVIFFGLCLLSLLFIGLMYRYQRWK 240
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Qy        241 SKLYSIVCGKSTPEKEGELEGTTTKPLAPNPSFSPTPGFTPTLGFSPVPSSTFTSSSTYT 300
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Db        241 SKLYSIVCGKSTPEKEGELEGTTTKPLAPNPSFSPTPGFTPTLGFSPVPSSTFTSSSTYT 300

Qy        301 PGDCPNFAAPRREVAPPYQGADPILATALASDPIPNPLQKWEDSAHKPQSLDTDDPATLY 360
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Db        301 PGDCPNFAAPRREVAPPYQGADPILATALASDPIPNPLQKWEDSAHKPQSLDTDDPATLY 360

Qy        361 AVVENVPPLRWKEFVRRLGLSDHEIDRLELQNGRCLREAQYSMLATWRRRTPRREATLEL 420
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RESULT 3
US-08-126-016-2
; Sequence 2, Application US/08126016
; Patent No. 5811261
; GENERAL INFORMATION:
; APPLICANT: WALLACH, DAVID
; APPLICANT: NOPHAR, YARON
; APPLICANT: KEMPER, OLIVER
; APPLICANT: ENGELMANN, HARTMUT
; APPLICANT: BRAKEBUSCH, CORD
; APPLICANT: ADERKA, DAN
; TITLE OF INVENTION: EXPRESSION OF THE RECOMBINANT TUMOR
; TITLE OF INVENTION: NECROSIS FACTOR BINDING PROTEIN I (TBP-I)
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street, N.W., Suite 300
; CITY: Washington
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25